



**Action Items for NGC - Due March 16, 2012**

Raymond Chavira to: Joe Kwan

03/06/2012 04:51 PM

Cc: Brown, Elizabeth C. \\\(Law\\), Elizabeth C. \\\(Law\\), Lewis Maldonado,  
Kelly Manheimer

Joe,

It was good to meet with you and Elizabeth today. Per our discussion, Northrop will submit the following to EPA by Friday March 16, 2012:

A letter signed by you, accompanied by a Technical Memorandum, explaining why Northrop did not provide the Regional Board, EPA, or other relevant entity with the data collected as part of the 2002/3 Deep Source Investigation. The Tech Memo shall include CPT, groundwater, and soil bore (DB) data. EPA originally requested the Tech Memo on 1/26/2012 (see attached).

The Tech Memo shall include any work plans, all data packages, and any data analysis performed by Northrop Grumman or consultant(s) to Northrop Grumman as part of the DSI. In addition, the Tech Memo shall include a list of all work products produced since the 2002/3 DSI that did not include the data collected during the DSI. The letter and Tech Memo shall also describe any and all modeling efforts associated with Benchmark from 1987 to present, the dates the data were provided to CDM, and why Northrop and its consultants did not include DSI-related data in Benchmark or regional modeling efforts to date. In addition, please describe why permanent wells were not installed as part of the DSI.

We also agreed today that by March 8, 2012, Northrop would notify EPA as to a date by which Northrop will be able to ascertain when CDM first had access to any of the CPT data and whether CDM has used any of that data in the development of its groundwater modeling, pumping simulations, or the like for the Benchmark facility or the Intermediate Zone.

Please call me if you have any questions related to this request. For legal questions, your attorney may contact Lewis Maldonado at 415.972-3926

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Raymond Chavira  
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NG Benchmark File\_email from Orion 01 26 13.pdf





RE: Northrop Grumman Benchmark Site - DTSC Data Request Response Memo  
Matthew Nelson

to:

Raymond Chavira

01/26/2012 04:27 PM

Cc:

"Joseph P. Kwan ([joe.kwan@ngc.com](mailto:joe.kwan@ngc.com))", "Niemeyer, Linda (CO) (Contr)", Mike Purchase, Rick Lewis, "[pmacnich@dtsc.ca.gov](mailto:pmacnich@dtsc.ca.gov)"

Hide Details

From: Matthew Nelson <[mnelson@orionenv.com](mailto:mnelson@orionenv.com)> Sort List...

To: Raymond Chavira/R9/USEPA/US@EPA

Cc: "Joseph P. Kwan ([joe.kwan@ngc.com](mailto:joe.kwan@ngc.com))" <[joe.kwan@ngc.com](mailto:joe.kwan@ngc.com)>, "Niemeyer, Linda (CO) (Contr)" <[Linda.Niemeyer@ngc.com](mailto:Linda.Niemeyer@ngc.com)>, Mike Purchase <[mpurchase@orionenv.com](mailto:mpurchase@orionenv.com)>, Rick Lewis <[rwlewis5@gmail.com](mailto:rwlewis5@gmail.com)>, "[pmacnich@dtsc.ca.gov](mailto:pmacnich@dtsc.ca.gov)" <[pmacnich@dtsc.ca.gov](mailto:pmacnich@dtsc.ca.gov)>

History: This message has been forwarded.

Ray,

You've made a few requests over the last couple days and I just want to make sure that I'm clear on everything that you're looking for. Below is a list of the items that you've requested:

- All static soil gas data for all Zones (particularly Zone 3 and 4 wells)
  - I am working on gathering this data and should have it to you by the end of the week
- All data and information related to the Z4- Series Wells. This includes boring logs, water quality data, etc., from installation onward
  - I am working on gathering this data and should have the boring logs to you by the end of the week, and the rest early next week
- For the upcoming meeting, updated cross sections for the former Benchmark site that includes the CPT boring and Z4- well data
  - We are working on this and plan to have the cross sections ready for the meeting on 31 January 2012
- All documents via CD pertaining to the former Benchmark facility.
  - We will provide you with a CD of documents pertaining to the former TRW Benchmark site once we complete the review of the historical file (estimate 2 weeks)
- 2004 deep soil investigation report
  - The 2004 deep soil investigation was not included in any report. Orion is working on preparing a memo summarizing the 2002 onsite CPT investigation and the 2004 deep soil investigation. We will provide that memo to you once it is completed (estimate 3 weeks)

- All status reports
  - We will provide you with a CD of the status reports once we complete the review of the historical file (estimate 2 weeks)
- Bibliography/index of project documents
  - We have a bibliography/index that we are working on bringing up to date as we perform the historical file review. I will send over what we have by the end of the week and provide an update once we've completed the historical file review (estimate 2 weeks).

Please let me know if there is anything that I am missing in the list above. Thank you.

Matthew Nelson  
Orion Environmental Inc.

**From:** Raymond Chavira [<mailto:Chavira.Raymond@epamail.epa.gov>]  
**Sent:** Thursday, January 26, 2012 9:29 AM  
**To:** Matthew Nelson  
**Cc:** Joseph P. Kwan ([joe.kwan@ngc.com](mailto:joe.kwan@ngc.com)); Niemeyer, Linda (CO) (Contr); Mike Purchase; Rick Lewis; [pmacnich@dtsc.ca.gov](mailto:pmacnich@dtsc.ca.gov)  
**Subject:** RE: Northrop Grumman Benchmark Site - DTSC Data Request Response Memo

I understand from Linda that Orion is scanning many of the historic reports. Please provide EPA with all documents via CD pertaining to the former Benchmark facility.

In the short-term we are interested in the obtaining a copy of the report describing the deep soil investigation in the early 2000 time period. In addition, please provide all Status Reports.

Thank you

Ray

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**From:** Matthew Nelson <[mnelson@orionenv.com](mailto:mnelson@orionenv.com)>  
**To:** Raymond Chavira/R9/USEPA/US@EPA  
**Cc:** "Joseph P. Kwan ([joe.kwan@ngc.com](mailto:joe.kwan@ngc.com))" <[joe.kwan@ngc.com](mailto:joe.kwan@ngc.com)>, "Niemeyer, Linda (CO) (Contr)" <[Linda.Niemeyer@ngc.com](mailto:Linda.Niemeyer@ngc.com)>, Mike Purchase <[mpurchase@orionenv.com](mailto:mpurchase@orionenv.com)>, Rick Lewis <[rwlewis5@gmail.com](mailto:rwlewis5@gmail.com)>  
**Date:** 01/24/2012 02:56 PM  
**Subject:** RE: Northrop Grumman Benchmark Site - DTSC Data Request Response Memo

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Ray,

I will work on putting together the additional data that you requested and will send it over once it is compiled. The 24 wells are still intact, and we will add them to the updated cross sections for the meeting next week. Just to verify, you're talking about the cross sections that were submitted with the data package on 1/20/12, correct?

Linda also mentioned to me that you were looking for historical status and monitoring reports as well. I am in the process of going through the historical files for the Benchmark site. Is there anything in particular that you are looking for? Thanks.

Matthew Nelson  
Orion Environmental Inc.

**From:** Raymond Chavira [<mailto:Chavira.Raymond@epamail.epa.gov>]  
**Sent:** Tuesday, January 24, 2012 12:35 PM  
**To:** Matthew Nelson  
**Cc:** Joseph P. Kwan ([joe.kwan@ngc.com](mailto:joe.kwan@ngc.com)); Niemeyer, Linda (CO) (Contr); Mike Purchase; Rick Lewis  
**Subject:** RE: Northrop Grumman Benchmark Site - DTSC Data Request Response Memo

Matthew,

Thank you.

I was reviewing the supplemental information. Please provide:

- All static soil gas data for all Zones (particularly Zone 3 and 4 wells).
- All data and information related to the Z4- Series Wells. This includes boring logs, water quality data, etc., from installation onward. Are the Z4 Series Wells still intact?
- For the upcoming meeting, updated cross sections for the former Benchmark site hat includes the CPT boring and Z4- well data.

Ray

**From:** Matthew Nelson <[mnelson@orionenv.com](mailto:mnelson@orionenv.com)>  
**To:** Raymond Chavira/R9/USEPA/US@EPA  
**Cc:** "Joseph P. Kwan ([joe.kwan@ngc.com](mailto:joe.kwan@ngc.com))" <[joe.kwan@ngc.com](mailto:joe.kwan@ngc.com)>, Rick Lewis <[rwlewis5@gmail.com](mailto:rwlewis5@gmail.com)>, "Niemeyer, Linda (CO) (Contr)" <[Linda.Niemeyer@ngc.com](mailto:Linda.Niemeyer@ngc.com)>, Mike Purchase <[mpurchase@orionenv.com](mailto:mpurchase@orionenv.com)>  
**Date:** 01/23/2012 04:05 PM  
**Subject:** RE: Northrop Grumman Benchmark Site - DTSC Data Request Response Memo

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Ray,

The results of the dye tracer test performed at the former TRW Benchmark site were not presented in a report. The testing was mentioned in the 2000 annual groundwater monitoring report submitted to the Regional Water Quality Control Board, but the detection that was subsequently noted in W12 was communicated verbally.

I also want to correct an error in a statement that was made during the 8 December 2011 meeting at the DTSC offices regarding the dye tracer test. During that meeting it was said that the dye injected in well W3 was detected in monitoring well W17. This is not correct. The dye that was injected into well W3 was only detected in monitoring well W12, as discussed in our 20 January 2012 data submittal.

Matthew Nelson  
Orion Environmental Inc.

**From:** Raymond Chavira [<mailto:Chavira.Raymond@epamail.epa.gov>]  
**Sent:** Monday, January 23, 2012 11:09 AM  
**To:** Matthew Nelson  
**Cc:** Rick Lewis  
**Subject:** Re: Northrop Grumman Benchmark Site - DTSC Data Request Response Memo

Please provide the original report describing the results of the Tracer Study. Thanks

Ray

From: Matthew Nelson <mnelson@orionenv.com>  
To: Peter MacNicholl <PMacnich@dtsc.ca.gov>  
Cc: "Joseph P. Kwan (joe.kwan@ngc.com)" <joe.kwan@ngc.com>, "Linda Niemeyer (laniemeyer@roadrunner.com)" <laniemeyer@roadrunner.com>, Raymond Chavira/R9/USEPA/US@EPA, "John Dolegowski@CH2M.com" <John.Dolegowski@CH2M.com>, "artemis.antipas@ch2m.com" <artemis.antipas@ch2m.com>, "Tom.Perina@CH2M.com" <Tom.Perina@CH2M.com>, "Kerang.Sun@CH2M.com" <Kerang.Sun@CH2M.com>, Richard Lewis <rlewis5@gmail.com>, Mike Purchase <mpurchase@orionenv.com>, Jeff Gwinn <jgwinn@orionenv.com>, "KBurger@dtsc.ca.gov" <KBurger@dtsc.ca.gov>  
Date: 01/20/2012 05:25 PM  
Subject: Northrop Grumman Benchmark Site - DTSC Data Request Response Memo

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Hello Peter,

Attached is a memo in response to your 12 December 2011 data request for the Northrop Grumman former TRW Benchmark site. Please let us know if you have any questions or comments, or if you require any additional information. Have a good weekend.

Matthew Nelson, P.E.  
Project Engineer  
Orion Environmental Inc.

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[attachment "2012-0120-Benchmark-DTSC Data Request Response Memo.pdf" deleted by Raymond Chavira/R9/USEPA/US]